

WO 00/56891

PCT/US00/07817

PF-0681 PCT

Sequence Listing

<110> INCYTE PHARMACEUTICALS, INC.

YUE, Henry

LAL, Preeti

TANG, Y. Tom

HILLMAN, Jennifer L.

REDDY, Roopa

BANDMAN, Olga

BAUGHN, Mariah R.

Lu, Dyung Aina L.

AZIMZAI, Yalda

YANG, Junming

<120> HUMAN TRANSMEMBRANE PROTEINS

<130> PF-0681 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/125,537; 60 139,565

<151> 1999-03-22; 1999-06-16

<160> 58

<170> PERL Program

<210> 1

<211> 417

<212> PRT

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1316927CD1

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Asp	Asn	Lys	Thr	Ser	Glu	Asp	Val	Thr	Met	Ala	Ala	Ala	Ser	Pro
				20					25					30
Val	Thr	Leu	Thr	Lys	Gly	Thr	Ser	Ala	Ala	His	Leu	Asn	Ser	Met
				35					40					45
Glu	Val	Thr	Thr	Glu	Asp	Thr	Ser	Arg	Thr	Asp	Val	Ser	Glu	Pro
				50					55					60
Ala	Thr	Ser	Gly	Gly	Ala	Ala	Asp	Gly	Val	Thr	Ser	Ile	Ala	Pro
				65					70					75
Thr	Ala	Val	Ala	Ser	Ser	Thr	Thr	Ala	Ala	Ser	Ile	Thr	Thr	Ala
				80					85					90
Ala	Ser	Ser	Met	Thr	Val	Ala	Ser	Ser	Ala	Pro	Thr	Thr	Ala	Ala
				95					100					105
Ser	Ser	Thr	Thr	Val	Ala	Ser	Ile	Ala	Pro	Thr	Thr	Ala	Ala	Ser
				110					115					120
Ser	Met	Thr	Ala	Ala	Ser	Ser	Thr	Pro	Met	Thr	Leu	Ala	Leu	Pro
				125					130					135
Ala	Pro	Thr	Ser	Thr	Ser	Thr	Gly	Arg	Thr	Pro	Ser	Thr	Thr	Ala
				140					145					150
Thr	Gly	His	Pro	Ser	Leu	Ser	Thr	Ala	Leu	Ala	Gln	Val	Pro	Lys
				155					160					165

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Ser	Ser	Ala	Leu	Pro	Arg	Thr	Ala	Thr	Leu	Ala	Thr	Leu	Ala	Thr	170	175	180
Arg	Ala	Gln	Thr	Val	Ala	Thr	Thr	Ala	Asn	Thr	Ser	Ser	Pro	Met	185	190	195
Ser	Thr	Arg	Pro	Ser	Pro	Ser	Lys	His	Met	Pro	Ser	Asp	Thr	Ala	200	205	210
Ala	Ser	Pro	Val	Pro	Pro	Met	Arg	Pro	Gln	Ala	Gln	Gly	Pro	Ile	215	220	225
Ser	Gln	Val	Ser	Val	Asp	Gln	Pro	Val	Val	Asn	Thr	Thr	Asn	Lys	230	235	240
Ser	Thr	Pro	Met	Pro	Ser	Asn	Thr	Thr	Pro	Glu	Pro	Ala	Pro	Thr	245	250	255
Pro	Thr	Val	Val	Thr	Thr	Thr	Lys	Ala	Gln	Ala	Arg	Glu	Pro	Thr	260	265	270
Ala	Ser	Pro	Val	Pro	Val	Pro	His	Thr	Ser	Pro	Ile	Pro	Glu	Met	275	280	285
Glu	Ala	Met	Ser	Pro	Thr	Thr	Gln	Pro	Ser	Pro	Met	Pro	Tyr	Thr	290	295	300
Gln	Arg	Ala	Ala	Gly	Pro	Gly	Thr	Ser	Gln	Ala	Pro	Glu	Gln	Val	305	310	315
Glu	Thr	Glu	Ala	Thr	Pro	Gly	Thr	Asp	Ser	Thr	Gly	Pro	Thr	Pro	320	325	330
Arg	Ser	Ser	Gly	Gly	Thr	Lys	Met	Pro	Ala	Thr	Asp	Ser	Cys	Gln	335	340	345
Pro	Ser	Thr	Gln	Gly	Gln	Tyr	Met	Val	Val	Thr	Thr	Glu	Pro	Leu	350	355	360
Thr	Gln	Ala	Val	Val	Asp	Lys	Thr	Leu	Leu	Leu	Val	Val	Leu	Leu	365	370	375
Leu	Gly	Val	Thr	Leu	Phe	Ile	Thr	Val	Leu	Val	Leu	Phe	Ala	Leu	380	385	390
Gln	Ala	Tyr	Glu	Ser	Tyr	Lys	Lys	Lys	Asp	Tyr	Thr	Gln	Val	Asp	395	400	405
Tyr	Leu	Ile	Asn	Gly	Met	Tyr	Ala	Asp	Ser	Glu	Met				410	415	

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<223> Incyte ID No: 1354891CD1
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Ser Gly Gly Asn	Thr Ser Asn Leu	Thr His Thr Met Thr	His		
140	145	150			
Leu Gly Ile Ser	Arg Gly Met Gly Leu	Gly Pro Gly Tyr Asp	Ala		
155	160	165			
Pro Gly Leu His	Ser Pro Leu Ser His	Pro Ser Leu Gln Ser	Ser		
170	175	180			
Leu Ser Asn Pro	Asn Leu Gln Ala Ser	Leu Ser Ser Pro Gln	Pro		
185	190	195			
Gln Leu Gln Gly	Ser His Ser His Pro	Ser Leu Pro Ala Ser	Ser		
200	205	210			
Leu Ala Arg His	Val Leu Pro Thr Thr	Ser Leu Gly His Pro	Ser		
215	220	225			
Leu Ser Ala Pro	Ala Leu Ser Ser Ser	Ser Ser Ser Ser Ser	Thr		
230	235	240			
Ser Ser Pro Val	Leu Gly Ala Pro Ser	Tyr Pro Ala Ser Thr	Pro		
245	250	255			
Gly Ala Ser Pro	His His Arg Arg Val	Pro Leu Ser Pro Leu	Ser		
260	265	270			
Leu Leu Ala Gly	Pro Ala Asp Ala Arg	Arg Ser Gln Gln Gln	Leu		
275	280	285			
Pro Lys Gln Phe	Ser Pro Thr Met Ser	Pro Thr Leu Ser Ser	Ile		
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Thr Gln Gly Val	Pro Trp Ile Pro Val	Asn Cys Pro Leu Thr	Ser		
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<211> 273

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: 1415487CD1

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20	25	30	
Thr Phe Leu Leu Val	Cys Ser Gly Thr Phe	Phe Pro Tyr Ser Ser	
35	40	45	
Asn Pro Ala Asn Pro	Lys Pro Lys Arg Val	Phe Leu Gln His Met	
50	55	60	
Thr Arg Thr Phe His	Asp Leu Glu Gly Asn	Ala Val Lys Arg Asp	
65	70	75	
Ser Gly Ile Trp Ile	Asn Gly Phe Asp Tyr	Thr Gly Ile Ser His	
80	85	90	
Ile Thr Pro His Ile	Pro Glu Ile Asn Asp	Ser Ile Arg Ala His	
95	100	105	
Cys Glu Glu Asn Ala	Pro Leu Cys Gly Phe	Pro Trp Tyr Leu Pro	
110	115	120	
Val His Phe Leu Ile	Arg Lys Asn Trp Tyr	Leu Pro Ala Pro Glu	
125	130	135	
Val Ser Pro Arg Asn	Pro Pro His Phe Arg	Leu Ile Ser Lys Glu	
140	145	150	
Gln Thr Pro Trp Asp	Ser Ile Lys Leu Thr	Phe Glu Ala Thr Gly	
155	160	165	
Pro Ser His Met Ser	Phe Tyr Val Arg Ala	His Lys Gly Ser Thr	
170	175	180	

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Leu	Ser	Gln	Trp	Ser	Leu	Gly	Asn	Gly	Thr	Pro	Val	Thr	Ser	Lys
				185					190					195
Gly	Gly	Asp	Tyr	Phe	Val	Phe	Tyr	Ser	His	Gly	Leu	Gln	Ala	Ser
				200					205					210
Ala	Trp	Gln	Phe	Trp	Ile	Glu	Val	Gln	Val	Ser	Glu	Glu	His	Pro
				215					220					225
Glu	Gly	Met	Val	Thr	Val	Ala	Ile	Ala	Ala	His	Tyr	Leu	Ser	Gly
				230					235					240
Glu	Asp	Lys	Arg	Ser	Pro	Gln	Leu	Asp	Ala	Leu	Lys	Glu	Lys	Phe
				245					250					255
Pro	Asp	Trp	Thr	Phe	Pro	Ser	Ala	Trp	Val	Cys	Thr	Tyr	Asp	Leu
				260					265					270
Phe	Val	Phe												

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<213> Homo sapiens

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Val	Leu	Met	Lys	Thr	Gly	Leu	Val	Leu	Val	Val	Leu	Gly	His	Val
				20					25					30
Ser	Phe	Ile	Thr	Ala	Ala	Leu	Phe	His	Gly	Thr	Val	Leu	Arg	Tyr
				35					40					45
Val	Gly	Thr	Pro	Gln	Asp	Ala	Val	Ala	Leu	Gln	Tyr	Cys	Val	Val
				50					55					60
Asn	Ile	Leu	Ser	Val	Thr	Ser	Ala	Ile	Val	Val	Ile	Thr	Ser	Gly
				65					70					75
Ile	Ala	Ala	Ile	Val	Leu	Ser	Arg	Tyr	Leu	Pro	Ser	Thr	Pro	Leu
				80					85					90
Arg	Trp	Thr	Val	Phe	Ser	Ser	Ser	Val	Ala	Cys	Ala	Leu	Leu	Ser
				95					100					105
Leu	Thr	Cys	Ala	Leu	Gly	Leu	Leu	Ala	Ser	Ile	Ala	Met	Thr	Phe
				110					115					120
Ala	Thr	Gln	Gly	Lys	Ala	Leu	Leu	Ala	Ala	Cys	Thr	Phe	Gly	Ser
				125					130					135
Ser	Glu	Leu	Leu	Ala	Leu	Ala	Pro	Asp	Cys	Pro	Phe	Asp	Pro	Thr
				140					145					150
Arg	Ile	Tyr	Ser	Ser	Ser	Leu	Cys	Leu	Trp	Gly	Ile	Ala	Leu	Val
				155					160					165
Leu	Cys	Val	Ala	Glu	Asn	Val	Phe	Ala	Val	Arg	Cys	Ala	Gln	Leu
				170					175					180
Thr	His	Gln	Leu	Leu	Glu	Leu	Arg	Pro	Trp	Trp	Gly	Lys	Ser	Ser
				185					190					195
His	His	Met	Met	Arg	Glu	Asn	Pro	Glu	Leu	Val	Glu	Gly	Arg	Asp
				200					205					210
Leu	Leu	Ser	Cys	Thr	Ser	Ser	Glu	Pro	Leu	Thr	Leu			
				215					220					

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Met	Pro	Gly	Lys	His	Gln	His	Phe	Gln	Glu	Pro	Glu	Val	Gly	Cys
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Cys	Gly	Lys	Tyr	Phe	Leu	Phe	Gly	Phe	Asn	Ile	Val	Phe	Trp	Val
				20					25					30
Leu	Gly	Ala	Leu	Phe	Leu	Ala	Ile	Gly	Leu	Trp	Ala	Trp	Gly	Glu
				35					40					45
Lys	Gly	Val	Leu	Ser	Asn	Ile	Ser	Ala	Leu	Thr	Asp	Leu	Gly	Gly
				50					55					60
Leu	Asp	Pro	Val	Trp	Leu	Phe	Val	Val	Val	Gly	Gly	Val	Met	Ser
				65					70					75
Val	Leu	Gly	Phe	Ala	Gly	Cys	Ile	Gly	Ala	Leu	Arg	Glu	Asn	Thr
				80					85					90
Phe	Leu	Leu	Lys	Phe	Phe	Ser	Val	Phe	Leu	Gly	Leu	Ile	Phe	Phe
				95					100					105
Leu	Glu	Leu	Ala	Thr	Gly	Ile	Leu	Ala	Phe	Val	Phe	Lys	Asp	Trp
				110					115					120
Ile	Arg	Asp	Gln	Leu	Asn	Leu	Phe	Ile	Asn	Asn	Asn	Val	Lys	Ala
				125					130					135
Tyr	Arg	Asp	Asp	Ile	Asp	Leu	Gln	Asn	Leu	Ile	Asp	Phe	Ala	Gln
				140					145					150
Glu	Tyr	Trp	Ser	Cys	Cys	Gly	Ala	Arg	Gly	Pro	Asn	Asp	Trp	Asn
				155					160					165
Leu	Asn	Ile	Tyr	Phe	Asn	Cys	Thr	Asp	Leu	Asn	Pro	Ser	Arg	Glu
				170					175					180
Arg	Cys	Gly	Val	Pro	Phe	Ser	Cys	Cys	Val	Arg	Asp	Pro	Ala	Glu
				185					190					195
Asp	Val	Leu	Asn	Thr	Gln	Cys	Gly	Tyr	Asp	Val	Arg	Leu	Lys	Leu
				200					205					210
Glu	Leu	Glu	Gln	Gln	Gly	Phe	Ile	His	Thr	Lys	Gly	Cys	Val	Gly
				215					220					225
Gln	Phe	Glu	Lys	Trp	Leu	Gln	Asp	Asn	Leu	Ile	Val	Val	Ala	Gly
				230					235					240
Val	Phe	Met	Gly	Ile	Ala	Leu	Leu	Gln	Ile	Phe	Gly	Ile	Cys	Leu
				245					250					255
Ala	Gln	Asn	Leu	Val	Ser	Asp	Ile	Lys	Ala	Val	Lys	Ala	Asn	Trp
				260					265					270
Ser	Lys	Trp	Asn	Asp	Asp	Phe	Glu	Asn	His	Trp	Leu	Thr	Pro	Thr
				275					280					285
Ile	Ser	Glu	Val	Leu	Ser	Thr	Ala	Gly	Pro	Gln	Gln	Asn	Ser	Leu
				290					295					300
Thr	Gly	Ala	Pro	Gly	Pro	Ala	Pro	Pro	Ser	Arg	His	Val	Phe	Phe
				305					310					315
Gly	Leu	Gly	Gly	Leu	Tyr	Pro	Glu	Pro	Thr	Phe	Lys	Asn	Trp	
				320					325					

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<213> Homo sapiens

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Asn	Gly	Glu	Lys	Pro	Phe	Leu	Leu	Arg	Ala	Leu	Gln	Ile	Ala	Leu
				20					25					30

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Val	Val	Ser	Leu	Tyr	Trp	Val	Thr	Ser	Ile	Ser	Met	Val	Phe	Leu	35	40	45
Asn	Lys	Tyr	Leu	Leu	Asp	Ser	Pro	Ser	Leu	Arg	Leu	Asp	Thr	Pro	50	55	60
Ile	Phe	Val	Thr	Phe	Tyr	Gln	Cys	Leu	Val	Thr	Thr	Leu	Leu	Cys	65	70	75
Lys	Gly	Leu	Ser	Ala	Leu	Ala	Ala	Cys	Cys	Pro	Gly	Ala	Val	Asp	80	85	90
Phe	Pro	Ser	Leu	Arg	Leu	Asp	Leu	Arg	Val	Ala	Arg	Ser	Val	Leu	95	100	105
Pro	Leu	Ser	Val	Val	Phe	Ile	Gly	Met	Ile	Thr	Phe	Asn	Asn	Leu	110	115	120
Cys	Leu	Lys	Tyr	Val	Gly	Val	Ala	Phe	Tyr	Asn	Val	Gly	Arg	Ser	125	130	135
Leu	Thr	Thr	Val	Phe	Asn	Val	Leu	Leu	Ser	Tyr	Leu	Leu	Leu	Lys	140	145	150
Gln	Thr	Thr	Ser	Phe	Tyr	Ala	Leu	Leu	Thr	Cys	Gly	Ile	Ile	Ile	155	160	165
Gly	Gly	Phe	Trp	Leu	Gly	Val	Asp	Gln	Glu	Gly	Ala	Glu	Gly	Thr	170	175	180
Leu	Ser	Trp	Leu	Gly	Thr	Val	Phe	Gly	Val	Leu	Ala	Ser	Leu	Cys	185	190	195
Val	Ser	Leu	Asn	Ala	Ile	Tyr	Thr	Thr	Lys	Val	Leu	Pro	Ala	Val	200	205	210
Asp	Gly	Ser	Ile	Trp	Arg	Leu	Thr	Phe	Tyr	Asn	Asn	Val	Asn	Ala	215	220	225
Cys	Ile	Leu	Phe	Leu	Pro	Leu	Leu	Leu	Leu	Leu	Gly	Glu	Leu	Gln	230	235	240
Ala	Leu	Arg	Asp	Phe	Ala	Gln	Leu	Gly	Ser	Ala	His	Phe	Trp	Gly	245	250	255
Met	Met	Thr	Leu	Gly	Gly	Leu	Phe	Gly	Phe	Ala	Ile	Gly	Tyr	Val	260	265	270
Thr	Gly	Leu	Gln	Ile	Lys	Phe	Thr	Ser	Pro	Leu	Thr	His	Asn	Val	275	280	285
Ser	Gly	Thr	Ala	Lys	Ala	Cys	Ala	Gln	Thr	Val	Leu	Ala	Val	Leu	290	295	300
Tyr	Tyr	Glu	Glu	Thr	Lys	Ser	Phe	Leu	Trp	Trp	Thr	Ser	Asn	Met	305	310	315
Met	Val	Leu	Gly	Gly	Ser	Ser	Ala	Tyr	Thr	Trp	Val	Arg	Gly	Trp	320	325	330
Glu	Met	Lys	Lys	Thr	Pro	Glu	Glu	Pro	Ser	Pro	Lys	Asp	Ser	Glu	335	340	345
Lys	Ser	Ala	Met	Gly	Val										350		

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Phe	His	Glu	Arg	Ile	Arg	Glu	Cys	Ile	Ile	Ser	Thr	Leu	Leu	Phe	20	25	30	35
Ala	Thr	Leu	Tyr	Ile	Leu	Cys	His	Ile	Phe	Leu	Thr	Arg	Phe	Lys	35	40	45	50
Lys	Pro	Ala	Glu	Phe	Thr	Thr	Val	Asp	Asp	Glu	Asp	Ala	Thr	Val				

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Asn	Lys	Ile	Ala	Leu	Glu	Leu	Cys	Thr	Phe	Thr	Leu	Ala	Ile	Ala	50	55	60
				65					70					75			
Leu	Gly	Ala	Val	Leu	Leu	Leu	Pro	Phe	Ser	Ile	Ile	Ser	Asn	Glu			
				80					85					90			
Val	Leu	Leu	Ser	Leu	Pro	Arg	Asn	Tyr	Tyr	Ile	Gln	Trp	Leu	Asn			
				95					100					105			
Gly	Ser	Leu	Ile	His	Gly	Leu	Trp	Asn	Leu	Val	Phe	Leu	Phe	Ser			
				110					115					120			
Asn	Leu	Ser	Leu	Ile	Phe	Leu	Met	Pro	Phe	Ala	Tyr	Phe	Phe	Thr			
				125					130					135			
Glu	Ser	Glu	Gly	Phe	Ala	Gly	Ser	Arg	Lys	Gly	Val	Leu	Gly	Arg			
				140					145					150			
Val	Tyr	Glu	Thr	Val	Val	Met	Leu	Met	Leu	Leu	Thr	Leu	Leu	Val			
				155					160					165			
Leu	Gly	Met	Val	Trp	Val	Ala	Ser	Ala	Ile	Val	Asp	Lys	Asn	Lys			
				170					175					180			
Ala	Asn	Arg	Glu	Ser	Leu	Tyr	Asp	Phe	Trp	Glu	Tyr	Tyr	Leu	Pro			
				185					190					195			
Tyr	Leu	Tyr	Ser	Cys	Ile	Ser	Phe	Leu	Gly	Val	Leu	Leu	Leu	Leu			
				200					205					210			
Val	Cys	Thr	Pro	Leu	Gly	Leu	Ala	Arg	Met	Phe	Ser	Val	Thr	Gly			
				215					220					225			
Lys	Leu	Leu	Val	Lys	Pro	Arg	Leu	Leu	Glu	Asp	Leu	Glu	Glu	Gln			
				230					235					240			
Leu	Tyr	Cys	Ser	Ala	Phe	Glu	Glu	Ala	Ala	Leu	Thr	Arg	Arg	Ile			
				245					250					255			
Cys	Asn	Pro	Thr	Ser	Cys	Trp	Leu	Pro	Leu	Asp	Met	Glu	Leu	Leu			
				260					265					270			
His	Arg	Gln	Val	Leu	Ala	Leu	Gln	Thr	Gln	Arg	Val	Leu	Leu	Glu			
				275					280					285			
Lys	Arg	Arg	Lys	Ala	Ser	Ala	Trp	Gln	Arg	Asn	Leu	Gly	Tyr	Pro			
				290					295					300			
Leu	Ala	Met	Leu	Cys	Leu	Leu	Val	Leu	Thr	Gly	Leu	Ser	Val	Leu			
				305					310					315			
Ile	Val	Ala	Ile	His	Ile	Leu	Glu	Leu	Leu	Ile	Asp	Glu	Ala	Ala			
				320					325					330			
Met	Pro	Arg	Gly	Met	Gln	Gly	Thr	Ser	Leu	Gly	Gln	Val	Ser	Phe			
				335					340					345			
Ser	Lys	Leu	Gly	Ser	Phe	Gly	Ala	Val	Ile	Gln	Val	Val	Leu	Ile			
				350					355					360			
Phe	Tyr	Leu	Met	Val	Ser	Ser	Val	Val	Gly	Phe	Tyr	Ser	Ser	Pro			
				365					370					375			
Leu	Phe	Arg	Ser	Leu	Arg	Pro	Arg	Trp	His	Asp	Thr	Ala	Met	Thr			
				380					385					390			
Gln	Ile	Ile	Gly	Asn	Cys	Val	Cys	Leu	Leu	Val	Leu	Ser	Ser	Ala			
				395					400					405			
Leu	Pro	Val	Phe	Ser	Arg	Thr	Leu	Gly	Leu	Thr	Arg	Phe	Asp	Leu			
				410					415					420			
Leu	Gly	Asp	Phe	Gly	Arg	Phe	Asn	Trp	Leu	Gly	Asn	Phe	Tyr	Ile			
				425					430					435			
Val	Phe	Leu	Tyr	Asn	Ala	Ala	Phe	Ala	Gly	Leu	Thr	Thr	Leu	Cys			
				440					445					450			
Leu	Val	Lys	Thr	Phe	Thr	Ala	Ala	Val	Arg	Ala	Glu	Leu	Ile	Arg			
				455					460					465			
Ala	Phe	Gly	Leu	Asp	Arg	Leu	Pro	Leu	Pro	Val	Ser	Gly	Phe	Pro			
				470					475					480			
Gln	Ala	Ser	Arg	Lys	Thr	Gln	His	Gln									
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PF-0681 PCT

<212> PRT

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<220>

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Ser	Gly	Ser	Ile	Gln	Trp	Ile	Trp	Asp	Val	Leu	Gly	Glu	Cys	Ala
				20					25					30
Gln	Asp	Gly	Trp	Asp	Glu	Ala	Ser	Val	Gly	Leu	Gly	Leu	Ile	Ser
				35					40					45
Ile	Leu	Cys	Phe	Ala	Ala	Ser	Thr	Phe	Pro	Gln	Phe	Ile	Lys	Ala
				50					55					60
Tyr	Lys	Thr	Gly	Asn	Met	Asp	Gln	Ala	Leu	Ser	Leu	Trp	Phe	Leu
				65					70					75
Leu	Gly	Trp	Ile	Gly	Gly	Asp	Ser	Cys	Asn	Leu	Ile	Gly	Ser	Phe
				80					85					90
Leu	Ala	Asp	Gln	Leu	Pro	Leu	Gln	Thr	Tyr	Thr	Ala	Val	Tyr	Tyr
				95					100					105
Val	Leu	Ala	Asp	Leu	Val	Met	Leu	Thr	Leu	Tyr	Phe	Tyr	Tyr	Lys
				110					115					120
Phe	Arg	Thr	Arg	Pro	Ser	Leu	Leu	Ser	Ala	Pro	Ile	Asn	Ser	Val
				125					130					135
Leu	Leu	Phe	Leu	Met	Gly	Met	Ala	Cys	Ala	Thr	Pro	Leu	Leu	Ser
				140					145					150
Ala	Ala	Gly	Pro	Val	Ala	Ala	Pro	Arg	Glu	Ala	Phe	Arg	Gly	Arg
				155					160					165
Ala	Leu	Leu	Ser	Val	Glu	Ser	Gly	Ser	Lys	Pro	Phe	Thr	Arg	Gln
				170					175					180
Glu	Val	Ile	Gly	Phe	Val	Ile	Gly	Ser	Ile	Ser	Ser	Val	Leu	Tyr
				185					190					195
Leu	Leu	Ser	Arg	Leu	Pro	Gln	Ile	Arg	Thr	Asn	Phe	Leu	Arg	Lys
				200					205					210
Ser	Thr	Gln	Gly	Ile	Ser	Tyr	Ser	Leu	Phe	Ala	Leu	Val	Met	Leu
				215					220					225
Gly	Asn	Thr	Leu	Tyr	Gly	Leu	Ser	Val	Leu	Leu	Lys	Asn	Pro	Glu
				230					235					240
Glu	Gly	Gln	Ser	Glu	Gly	Ser	Tyr	Leu	Leu	His	His	Leu	Pro	Trp
				245					250					255
Leu	Val	Gly	Ser	Leu	Gly	Val	Leu	Leu	Leu	Asp	Thr	Ile	Ile	Ser
				260					265					270
Ile	Gln	Phe	Leu	Val	Tyr	Arg	Arg	Ser	Thr	Ala	Ala	Ser	Glu	Leu
				275					280					285
Glu	Pro	Leu	Leu	Pro	Ser									
				290										

<210> 9

<211> 172

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2741701CD1

<400> 9

Met	Ser	Ser	Ser	Gly	Gly	Ala	Pro	Gly	Ala	Ser	Ala	Ser	Ser	Ala
1				5					10					15
Pro	Pro	Ala	Gln	Glu	Glu	Gly	Met	Thr	Trp	Trp	Tyr	Arg	Trp	Leu

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	20		25		30
Cys Arg Leu Ser Gly Val Leu Gly Ala Val Ser Cys Ala Ile Ser					
	35		40		45
Gly Leu Phe Asn Cys Ile Thr Ile His Pro Leu Asn Ile Ala Ala					
	50		55		60
Gly Val Trp Met Ile Met Asn Ala Phe Ile Leu Leu Leu Cys Glu					
	65		70		75
Ala Pro Phe Cys Cys Gln Phe Ile Glu Phe Ala Asn Thr Val Ala					
	80		85		90
Glu Lys Val Asp Arg Leu Arg Ser Trp Gln Lys Ala Val Phe Tyr					
	95		100		105
Cys Gly Met Ala Val Val Pro Ile Val Ile Ser Leu Thr Leu Thr					
	110		115		120
Thr Leu Leu Gly Asn Ala Ile Ala Phe Ala Thr Gly Val Leu Tyr					
	125		130		135
Gly Leu Ser Ala Leu Gly Lys Lys Gly Asp Ala Ile Ser Tyr Ala					
	140		145		150
Arg Ile Gln Gln Gln Arg Gln Gln Ala Asp Glu Glu Lys Leu Ala					
	155		160		165
Glu Thr Leu Glu Gly Glu Leu					
	170				

<210> 10

<211> 155

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3487228CD1

<400> 10

Met Ala Gly Glu Ile Thr Glu Thr Gly Glu Leu Tyr Ser Ser Tyr					
1	5		10		15
Val Gly Leu Val Tyr Met Phe Asn Leu Ile Val Gly Thr Gly Ala					
	20		25		30
Leu Thr Met Pro Lys Ala Phe Ala Thr Ala Gly Trp Leu Val Ser					
	35		40		45
Leu Val Leu Leu Val Phe Leu Gly Phe Met Ser Phe Met Thr Thr					
	50		55		60
Thr Phe Val Ile Glu Ala Met Ala Ala Ala Asn Ala Gln Leu His					
	65		70		75
Trp Lys Arg Met Glu Asn Leu Lys Glu Glu Glu Asp Asp Asp Ser					
	80		85		90
Ser Thr Ala Ser Asp Ser Asp Val Leu Ile Arg Asp Asn Tyr Glu					
	95		100		105
Arg Ala Glu Lys Arg Pro Ile Leu Ser Val Arg Lys Ser Trp Gly					
	110		115		120
Ser Arg Gly Pro Ala Leu Pro Ser Gly Pro Gln Gly Ser Leu Ser					
	125		130		135
Ser Trp Arg Gly Pro Trp Arg Gly Ser Pro Gln Ile Leu Ala Phe					
	140		145		150
Pro Ala Pro Gly Phe					
	155				

<210> 11

<211> 578

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3671426CD1

WO 00/56891

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<400> 11

Met	Leu	Cys	Ser	Leu	Leu	Leu	Cys	Glu	Cys	Leu	Leu	Leu	Val	Ala
1				5					10					15
Gly	Tyr	Ala	His	Asp	Asp	Asp	Trp	Ile	Asp	Pro	Thr	Asp	Met	Leu
				20					25					30
Asn	Tyr	Asp	Ala	Ala	Ser	Gly	Thr	Met	Arg	Lys	Ser	Gln	Ala	Lys
				35					40					45
Tyr	Gly	Ile	Ser	Gly	Glu	Lys	Asp	Val	Ser	Pro	Asp	Leu	Ser	Cys
				50					55					60
Ala	Asp	Glu	Ile	Ser	Glu	Cys	Tyr	His	Lys	Leu	Asp	Ser	Leu	Thr
				65					70					75
Tyr	Lys	Ile	Asp	Glu	Cys	Glu	Lys	Lys	Lys	Arg	Glu	Asp	Tyr	Glu
				80					85					90
Ser	Gln	Ser	Asn	Pro	Val	Phe	Arg	Arg	Tyr	Leu	Asn	Lys	Ile	Leu
				95					100					105
Ile	Glu	Ala	Gly	Lys	Leu	Gly	Leu	Pro	Asp	Glu	Asn	Lys	Gly	Asp
				110					115					120
Met	His	Tyr	Asp	Ala	Glu	Ile	Ile	Leu	Lys	Arg	Glu	Thr	Leu	Leu
				125					130					135
Glu	Ile	Gln	Lys	Phe	Leu	Asn	Gly	Glu	Asp	Trp	Lys	Pro	Gly	Ala
				140					145					150
Leu	Asp	Asp	Ala	Leu	Ser	Asp	Ile	Leu	Ile	Asn	Phe	Lys	Phe	His
				155					160					165
Asp	Phe	Glu	Thr	Trp	Lys	Trp	Arg	Phe	Glu	Asp	Ser	Phe	Gly	Val
				170					175					180
Asp	Pro	Tyr	Asn	Val	Leu	Met	Val	Leu	Leu	Cys	Leu	Leu	Cys	Ile
				185					190					195
Val	Val	Leu	Val	Ala	Thr	Glu	Leu	Trp	Thr	Tyr	Val	Arg	Trp	Tyr
				200					205					210
Thr	Gln	Leu	Arg	Arg	Val	Leu	Ile	Ile	Ser	Phe	Leu	Phe	Ser	Leu
				215					220					225
Gly	Trp	Asn	Trp	Met	Tyr	Leu	Tyr	Lys	Leu	Ala	Phe	Ala	Gln	His
				230					235					240
Gln	Ala	Glu	Val	Ala	Lys	Met	Glu	Pro	Leu	Asn	Asn	Val	Cys	Ala
				245					250					255
Lys	Lys	Met	Asp	Trp	Thr	Gly	Ser	Ile	Trp	Glu	Trp	Phe	Arg	Ser
				260					265					270
Ser	Trp	Thr	Tyr	Lys	Asp	Asp	Pro	Cys	Gln	Lys	Tyr	Tyr	Glu	Leu
				275					280					285
Leu	Leu	Val	Asn	Pro	Ile	Trp	Leu	Val	Pro	Pro	Thr	Lys	Ala	Leu
				290					295					300
Ala	Val	Thr	Phe	Thr	Thr	Phe	Val	Thr	Glu	Pro	Leu	Lys	His	Ile
				305					310					315
Gly	Lys	Gly	Thr	Gly	Glu	Phe	Ile	Lys	Ala	Leu	Met	Lys	Glu	Ile
				320					325					330
Pro	Ala	Leu	Leu	His	Leu	Pro	Val	Leu	Ile	Ile	Met	Ala	Leu	Ala
				335					340					345
Ile	Leu	Ser	Phe	Cys	Tyr	Gly	Ala	Gly	Lys	Ser	Val	His	Val	Leu
				350					355					360
Arg	His	Ile	Gly	Gly	Pro	Glu	Arg	Glu	Pro	Pro	Gln	Ala	Leu	Trp
				365					370					375
Pro	Arg	Asp	Arg	Arg	Arg	Gln	Glu	Glu	Ile	Asp	Tyr	Arg	Pro	Asp
				380					385					390
Gly	Gly	Ala	Gly	Asp	Ala	Asp	Phe	His	Tyr	Arg	Gly	Gln	Met	Gly
				395					400					405
Pro	Thr	Glu	Gln	Gly	Pro	Tyr	Ala	Lys	Thr	Tyr	Glu	Gly	Arg	Arg
				410					415					420
Glu	Ile	Leu	Arg	Glu	Arg	Asp	Val	Asp	Leu	Arg	Phe	Gln	Thr	Gly
				425					430					435
Asn	Lys	Ser	Pro	Glu	Val	Leu	Arg	Ala	Phe	Asp	Val	Pro	Asp	Ala
				440					445					450

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Glu	Ala	Arg	Glu	His	Pro	Thr	Val	Val	Pro	Ser	His	Lys	Ser	Pro
				455					460					465
Val	Leu	Asp	Thr	Lys	Pro	Lys	Glu	Thr	Gly	Gly	Ile	Leu	Gly	Lys
				470					475					480
Ala	His	Arg	Lys	Lys	Ala	Val	Leu	Lys	Ala	Ala	Ser	Arg	Pro	Ser
				485					490					495
Leu	Ser	Leu	Ala	Lys	Thr	His	Gln	Gly	Ile	Gln	Lys	Val	His	Pro
				500					505					510
Gln	Arg	Lys	Arg	Pro	Ser	Ser	Ser	Leu	Lys	Pro	Gln	Ala	Ala	Gln
				515					520					525
Thr	Lys	Ala	Ala	His	Thr	Ala	Pro	Gln	Glu	Val	Trp	Leu	Asp	His
				530					535					540
Val	Asp	Arg	Ile	Arg	Ser	Ala	Ala	Pro	Val	Ala	Arg	Gly	Thr	Pro
				545					550					555
Ala	Gln	Thr	Thr	Ala	Ser	Ser	Leu	Leu	Arg	Ala	Leu	Tyr	Pro	Phe
				560					565					570
Gly	Asp	Glu	Val	Tyr	Phe	Asp	Ser							
				575										

<210> 12

<211> 313

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4020882CD1

<400> 12

Met	Asp	Gly	Ile	Ile	Glu	Gln	Lys	Ser	Met	Leu	Val	His	Ser	Lys
1				5					10					15
Ile	Ser	Asp	Ala	Gly	Lys	Arg	Asn	Gly	Leu	Ile	Asn	Thr	Arg	Asn
				20					25					30
Leu	Met	Ala	Glu	Ser	Arg	Asp	Gly	Leu	Val	Ser	Val	Tyr	Pro	Ala
				35					40					45
Pro	Gln	Tyr	Gln	Ser	His	Arg	Val	Gly	Ala	Ser	Thr	Val	Pro	Ala
				50					55					60
Ser	Leu	Asp	Ser	Ser	Arg	Ser	Glu	Pro	Met	Gln	Gln	Leu	Leu	Asp
				65					70					75
Pro	Asn	Thr	Leu	Gln	Gln	Ser	Val	Glu	Ser	Arg	Tyr	Arg	Pro	Asn
				80					85					90
Ile	Ile	Leu	Tyr	Ser	Glu	Gly	Val	Leu	Arg	Ser	Trp	Gly	Asp	Gly
				95					100					105
Val	Ala	Ala	Asp	Cys	Cys	Glu	Thr	Thr	Phe	Ile	Glu	Asp	Arg	Ser
				110					115					120
Pro	Thr	Lys	Asp	Ser	Leu	Glu	Tyr	Pro	Asp	Gly	Lys	Phe	Ile	Asp
				125					130					135
Leu	Ser	Ala	Asp	Asp	Ile	Lys	Ile	His	Thr	Leu	Ser	Tyr	Asp	Val
				140					145					150
Glu	Glu	Glu	Glu	Glu	Phe	Gln	Glu	Leu	Glu	Ser	Asp	Tyr	Ser	Ser
				155					160					165
Asp	Thr	Glu	Ser	Glu	Asp	Asn	Phe	Leu	Met	Met	Pro	Pro	Arg	Asp
				170					175					180
His	Leu	Gly	Leu	Ser	Val	Phe	Ser	Met	Leu	Cys	Cys	Phe	Trp	Pro
				185					190					195
Leu	Gly	Ile	Ala	Ala	Phe	Tyr	Leu	Ser	His	Glu	Thr	Asn	Lys	Ala
				200					205					210
Val	Ala	Lys	Gly	Asp	Leu	His	Gln	Ala	Ser	Thr	Ser	Ser	Arg	Arg
				215					220					225
Ala	Leu	Phe	Leu	Ala	Val	Leu	Ser	Ile	Thr	Ile	Gly	Thr	Gly	Val
				230					235					240
Tyr	Val	Gly	Val	Ala	Trp	Pro	Trp	Pro	Ser	Ser	Pro	Thr	Ser	Pro

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Arg	Thr	Thr	Thr	Cys	Glu	Leu	Pro	Ala	Asn	Gly	Gly	Gly	Ala	Pro
				245					250					255
Gly	Ala	Arg	Ser	Val	Trp	Thr	Trp	Arg	Lys	Gln	Ala	Tyr	Arg	Met
				260					265					270
Met	Leu	Tyr	Ser	Thr	Asn	Asp	Cys	Gln	Met	Met	Pro	Arg	Ser	Pro
				275					280					285
Gly	Ile	Ser	Tyr	Pro	Trp	Ile	Tyr	Phe	Val	Phe	Ile	Leu		300
				290					295					
				305					310					

<210> 13

<211> 205

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4069777CD1

<400> 13

Met	Met	Ser	Arg	Asp	Val	Ile	Ala	Leu	Val	Ser	Gln	Val	Leu	Pro
1				5					10					15
Val	Tyr	Ser	Val	Phe	His	Val	Phe	Glu	Ala	Ile	Cys	Cys	Val	Tyr
				20					25					30
Gly	Gly	Val	Leu	Arg	Gly	Thr	Gly	Lys	Gln	Ala	Phe	Gly	Ala	Ala
				35					40					45
Val	Asn	Ala	Ile	Thr	Tyr	Tyr	Ile	Ile	Gly	Leu	Pro	Leu	Gly	Ile
				50					55					60
Leu	Leu	Thr	Phe	Val	Val	Arg	Met	Arg	Ile	Met	Gly	Leu	Trp	Leu
				65					70					75
Gly	Met	Leu	Ala	Cys	Val	Phe	Leu	Ala	Thr	Ala	Ala	Phe	Val	Ala
				80					85					90
Tyr	Thr	Ala	Arg	Leu	Asp	Trp	Lys	Leu	Ala	Ala	Glu	Glu	Ala	Lys
				95					100					105
Lys	His	Ser	Gly	Arg	Gln	Gln	Gln	Gln	Arg	Ala	Glu	Ser	Thr	Ala
				110					115					120
Thr	Arg	Pro	Gly	Pro	Glu	Lys	Ala	Val	Leu	Ser	Ser	Val	Ala	Thr
				125					130					135
Gly	Ser	Ser	Pro	Gly	Ile	Thr	Leu	Thr	Thr	Tyr	Ser	Arg	Ser	Glu
				140					145					150
Cys	His	Val	Asp	Phe	Phe	Arg	Thr	Pro	Glu	Glu	Ala	His	Ala	Leu
				155					160					165
Ser	Ala	Pro	Thr	Ser	Arg	Leu	Ser	Val	Lys	Gln	Leu	Val	Ile	Arg
				170					175					180
Arg	Gly	Ala	Ala	Leu	Gly	Ala	Ala	Ser	Ala	Thr	Leu	Met	Val	Gly
				185					190					195
Leu	Thr	Val	Arg	Ile	Leu	Ala	Thr	Arg	His					
				200					205					

<210> 14

<211> 371

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5309830CD1

<400> 14

Met	Ala	Trp	Thr	Lys	Tyr	Gln	Leu	Phe	Leu	Ala	Gly	Leu	Met	Leu
1				5					10					15
Val	Thr	Gly	Ser	Ile	Asn	Thr	Leu	Ser	Ala	Lys	Trp	Ala	Asp	Asn
				20					25					30

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Phe	Met	Ala	Glu	Gly	Cys	Gly	Gly	Ser	Lys	Glu	His	Ser	Phe	Gln
				35					40					45
His	Pro	Phe	Leu	Gln	Ala	Val	Gly	Met	Phe	Leu	Gly	Glu	Phe	Ser
				50					55					60
Cys	Leu	Ala	Ala	Phe	Tyr	Leu	Leu	Arg	Cys	Arg	Ala	Ala	Gly	Gln
				65					70					75
Ser	Asp	Ser	Ser	Val	Asp	Pro	Gln	Gln	Pro	Phe	Asn	Pro	Leu	Leu
				80					85					90
Phe	Leu	Pro	Pro	Ala	Leu	Cys	Asp	Met	Thr	Gly	Thr	Ser	Leu	Met
				95					100					105
Tyr	Val	Ala	Leu	Asn	Met	Thr	Ser	Ala	Ser	Ser	Phe	Gln	Met	Leu
				110					115					120
Arg	Gly	Ala	Val	Ile	Ile	Phe	Thr	Gly	Leu	Phe	Ser	Val	Ala	Phe
				125					130					135
Leu	Gly	Arg	Arg	Leu	Val	Leu	Ser	Gln	Trp	Leu	Gly	Ile	Leu	Ala
				140					145					150
Thr	Ile	Ala	Gly	Leu	Val	Val	Val	Gly	Leu	Ala	Asp	Leu	Leu	Ser
				155					160					165
Lys	His	Asp	Ser	Gln	His	Lys	Leu	Ser	Glu	Val	Ile	Thr	Gly	Asp
				170					175					180
Leu	Leu	Ile	Ile	Met	Ala	Gln	Ile	Ile	Val	Ala	Ile	Gln	Met	Val
				185					190					195
Leu	Glu	Glu	Lys	Phe	Val	Tyr	Lys	His	Asn	Val	His	Pro	Leu	Arg
				200					205					210
Ala	Val	Gly	Thr	Glu	Gly	Leu	Phe	Gly	Phe	Val	Ile	Leu	Ser	Leu
				215					220					225
Leu	Leu	Val	Pro	Met	Tyr	Tyr	Ile	Pro	Ala	Gly	Ser	Phe	Ser	Gly
				230					235					240
Asn	Pro	Arg	Gly	Thr	Leu	Glu	Asp	Ala	Leu	Asp	Ala	Phe	Cys	Gln
				245					250					255
Val	Gly	Gln	Gln	Pro	Leu	Ile	Ala	Val	Ala	Leu	Leu	Gly	Asn	Ile
				260					265					270
Ser	Ser	Ile	Ala	Phe	Phe	Asn	Phe	Ala	Gly	Ile	Ser	Val	Thr	Lys
				275					280					285
Glu	Leu	Ser	Ala	Thr	Thr	Arg	Met	Val	Leu	Asp	Ser	Leu	Arg	Thr
				290					295					300
Val	Val	Ile	Trp	Ala	Leu	Ser	Leu	Ala	Leu	Gly	Trp	Glu	Ala	Phe
				305					310					315
His	Ala	Leu	Gln	Ile	Leu	Gly	Phe	Leu	Ile	Leu	Leu	Ile	Gly	Thr
				320					325					330
Ala	Leu	Tyr	Asn	Gly	Leu	His	Arg	Pro	Leu	Leu	Gly	Arg	Leu	Ser
				335					340					345
Arg	Gly	Arg	Pro	Leu	Ala	Glu	Glu	Ser	Glu	Gln	Glu	Arg	Leu	Leu
				350					355					360
Gly	Gly	Thr	Arg	Thr	Pro	Ile	Asn	Asp	Ala	Ser				
				365					370					

<210> 15

<211> 374

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 306263CD1

<400> 15

Met	Ala	Tyr	Ile	Glu	Gln	Arg	Arg	Ile	Ser	His	Glu	Gly	Ser	Pro
1				5					10					15
Val	Lys	Pro	Val	Ala	Ile	Arg	Glu	Phe	Gln	Lys	Thr	Glu	Asp	Met
				20					25					30
Arg	Arg	Tyr	Leu	His	Gln	Asn	Arg	Val	Pro	Ala	Glu	Pro	Ser	Ser

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	35		40		45									
Leu	Leu	Ser	Leu	Ser	Ala	Ser	His	Asn	Gln	Leu	Ser	His	Thr	Asp
	50		55		60									
Leu	Glu	Leu	His	Gln	Arg	Arg	Glu	Gln	Leu	Val	Glu	Arg	Thr	Arg
	65		70		75									
Arg	Glu	Ala	Gln	Leu	Ala	Ala	Leu	Gln	Tyr	Glu	Glu	Glu	Lys	Ile
	80		85		90									
Arg	Thr	Lys	Gln	Ile	Gln	Arg	Asp	Ala	Val	Leu	Asp	Phe	Val	Lys
	95		100		105									
Gln	Lys	Ala	Ser	Gln	Ser	Pro	Gln	Lys	Gln	His	Pro	Leu	Leu	Asp
	110		115		120									
Gly	Val	Asp	Gly	Glu	Cys	Pro	Phe	Pro	Ser	Arg	Arg	Ser	Gln	His
	125		130		135									
Thr	Asp	Asp	Ser	Ala	Leu	Cys	Met	Ser	Asp	Asp	Arg	Pro	Asn	Ala
	140		145		150									
Leu	Leu	Ser	Ser	Pro	Ala	Thr	Glu	Thr	Val	His	His	Ser	Pro	Ala
	155		160		165									
Tyr	Ser	Phe	Pro	Ala	Ala	Ile	Gln	Arg	Asn	Gln	Pro	Gln	Arg	Pro
	170		175		180									
Glu	Ser	Phe	Leu	Phe	Arg	Ala	Gly	Val	Arg	Ala	Glu	Thr	Asn	Lys
	185		190		195									
Gly	His	Ala	Ser	Pro	Leu	Pro	Pro	Ser	Ala	Ala	Pro	Thr	Thr	Asp
	200		205		210									
Ser	Thr	Asp	Ser	Ile	Thr	Gly	Gln	Asn	Ser	Arg	Gln	Arg	Glu	Glu
	215		220		225									
Glu	Leu	Glu	Leu	Ile	Asp	Gln	Leu	Arg	Lys	His	Ile	Glu	Tyr	Arg
	230		235		240									
Leu	Lys	Val	Ser	Leu	Pro	Cys	Asp	Leu	Gly	Ala	Ala	Leu	Thr	Asp
	245		250		255									
Gly	Val	Val	Leu	Cys	His	Leu	Ala	Asn	His	Val	Arg	Pro	Arg	Ser
	260		265		270									
Val	Pro	Ser	Ile	His	Val	Pro	Ser	Pro	Ala	Val	Pro	Lys	Leu	Thr
	275		280		285									
Met	Ala	Lys	Cys	Arg	Arg	Asn	Val	Glu	Asn	Phe	Leu	Glu	Ala	Cys
	290		295		300									
Arg	Lys	Ile	Gly	Val	Pro	Gln	Asp	Asn	Leu	Cys	Ser	Pro	Ser	Asp
	305		310		315									
Ile	Leu	Gln	Leu	Asn	Leu	Ser	Val	Lys	Arg	Thr	Val	Glu	Thr	Leu
	320		325		330									
Leu	Ser	Leu	Gly	Ala	His	Ser	Glu	Glu	Ser	Ser	Phe	Val	Cys	Leu
	335		340		345									
Ser	Leu	Gln	Leu	Leu	Gly	Phe	Val	Ala	Phe	Tyr	Cys	Thr	Val	Met
	350		355		360									
Leu	Thr	Leu	Cys	Val	Leu	Tyr	Tyr	Trp	Leu	Phe	Pro	Ala	Arg	
	365		370											

<210> 16

<211> 183

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 483751CD1

<400> 16

Met	Glu	Asn	Gly	Ala	Val	Tyr	Ser	Pro	Thr	Thr	Glu	Glu	Asp	Pro
1				5					10					15
Gly	Pro	Ala	Arg	Gly	Pro	Arg	Ser	Gly	Leu	Ala	Ala	Tyr	Phe	Phe
			20						25					30
Met	Gly	Arg	Leu	Pro	Leu	Leu	Arg	Arg	Val	Leu	Lys	Gly	Leu	Gln
			35						40					45

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Leu	Leu	Leu	Ser	Leu	Leu	Ala	Phe	Ile	Cys	Glu	Glu	Val	Val	Ser
				50					55					60
Gln	Cys	Thr	Leu	Cys	Gly	Gly	Leu	Tyr	Phe	Phe	Glu	Phe	Val	Ser
				65					70					75
Cys	Ser	Ala	Phe	Leu	Leu	Ser	Leu	Leu	Ile	Leu	Ile	Val	Tyr	Cys
				80					85					90
Thr	Pro	Phe	Tyr	Glu	Arg	Val	Asp	Thr	Thr	Lys	Val	Lys	Ser	Ser
				95					100					105
Asp	Phe	Tyr	Ile	Thr	Leu	Gly	Thr	Gly	Cys	Val	Phe	Leu	Leu	Ala
				110					115					120
Ser	Ile	Ile	Phe	Val	Ser	Thr	His	Asp	Arg	Thr	Ser	Ala	Glu	Ile
				125					130					135
Ala	Ala	Ile	Val	Phe	Gly	Phe	Ile	Ala	Ser	Phe	Met	Phe	Leu	Leu
				140					145					150
Asp	Phe	Ile	Thr	Met	Leu	Tyr	Glu	Lys	Arg	Gln	Glu	Ser	Gln	Leu
				155					160					165
Arg	Lys	Pro	Glu	Asn	Thr	Thr	Arg	Ala	Glu	Ala	Leu	Thr	Glu	Pro
				170					175					180

Leu Asn Ala

<210> 17

<211> 190

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 727332CD1

<400> 17

Met	Asp	Thr	Thr	Pro	Leu	Ile	Thr	Glu	His	Val	Ile	Asn	Thr	Thr
1				5					10					15
Gln	Asp	Pro	Cys	Ser	Trp	Val	Asp	Lys	Leu	Ser	Thr	Val	His	His
				20					25					30
Arg	Ile	Val	Gly	Cys	Ser	Leu	Ala	Val	Ile	Ser	Gly	Val	Leu	Tyr
				35					40					45
Gly	Ser	Thr	Phe	Val	Pro	Ile	Ile	Tyr	Ile	Lys	Asp	His	Ser	Lys
				50					55					60
Arg	Asn	Asp	Ser	Ile	Tyr	Ala	Gly	Ala	Ser	Gln	Tyr	Asp	Leu	Asp
				65					70					75
Tyr	Val	Phe	Ala	His	Phe	Ser	Gly	Ile	Phe	Leu	Thr	Ser	Thr	Val
				80					85					90
Tyr	Phe	Leu	Ala	Tyr	Cys	Ile	Ala	Met	Lys	Asn	Ser	Pro	Lys	Leu
				95					100					105
Tyr	Pro	Glu	Ala	Val	Leu	Pro	Gly	Phe	Leu	Ser	Gly	Val	Leu	Trp
				110					115					120
Ala	Ile	Ala	Thr	Cys	Cys	Trp	Phe	Ile	Ala	Asn	His	Ser	Leu	Ser
				125					130					135
Ala	Val	Val	Ser	Phe	Pro	Ile	Ile	Thr	Ala	Gly	Pro	Gly	Phe	Ile
				140					145					150
Ala	Ala	Met	Trp	Gly	Ile	Phe	Met	Phe	Lys	Glu	Ile	Lys	Gly	Leu
				155					160					165
Gln	Asn	Tyr	Leu	Leu	Met	Ile	Leu	Ala	Phe	Cys	Ile	Ile	Leu	Thr
				170					175					180
Gly	Ala	Leu	Cys	Thr	Ala	Phe	Ser	Lys	Ile					
				185					190					

<210> 18

<211> 361

<212> PRT

<213> Homo sapiens

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<220>

<221> misc_feature

<223> Incyte ID No: 778800CD1

<400> 18

Met	Leu	Ala	Arg	Arg	Leu	Val	Trp	Ala	Leu	Ile	Ser	Glu	Ala	Thr	1	5	10	15
Lys	Ala	Gly	Ala	Ala	Ser	Met	Ile	His	Tyr	Met	Val	Leu	Ile	Ser	20	25	30	35
Ala	Arg	Leu	Val	Leu	Leu	Thr	Leu	Cys	Gly	Trp	Val	Leu	Cys	Trp	40	45	50	55
Thr	Leu	Val	Asn	Leu	Phe	Arg	Ser	His	Ser	Val	Leu	Asn	Leu	Leu	60	65	70	75
Phe	Leu	Gly	Tyr	Pro	Phe	Gly	Val	Tyr	Val	Pro	Leu	Cys	Cys	Phe	80	85	90	95
His	Gln	Asp	Ser	Arg	Ala	His	Leu	Leu	Leu	Thr	Asp	Tyr	Asn	Tyr	100	105	110	115
Val	Val	Gln	His	Glu	Ala	Val	Glu	Glu	Ser	Ala	Ser	Thr	Val	Gly	120	125	130	135
Gly	Leu	Ala	Lys	Ser	Lys	Asp	Phe	Leu	Ser	Leu	Leu	Leu	Glu	Ser	140	145	150	155
Leu	Lys	Glu	Gln	Phe	Asn	Asn	Ala	Thr	Pro	Ile	Pro	Thr	His	Ser	160	165	170	175
Cys	Pro	Leu	Ser	Pro	Asp	Leu	Ile	Arg	Asn	Glu	Val	Glu	Cys	Leu	180	185	190	195
Lys	Ala	Asp	Phe	Asn	His	Arg	Ile	Lys	Glu	Val	Leu	Phe	Asn	Ser	200	205	210	215
Leu	Phe	Ser	Ala	Tyr	Tyr	Val	Ala	Phe	Leu	Pro	Leu	Cys	Phe	Val	220	225	230	235
Lys	Ser	Thr	Gln	Tyr	Tyr	Asp	Met	Arg	Trp	Ser	Cys	Glu	His	Leu	240	245	250	255
Ile	Met	Val	Trp	Ile	Asn	Ala	Phe	Val	Met	Leu	Thr	Thr	Gln	Leu	260	265	270	275
Leu	Pro	Ser	Lys	Tyr	Cys	Asp	Leu	Leu	His	Lys	Ser	Ala	Ala	His	280	285	290	295
Leu	Gly	Lys	Trp	Gln	Lys	Leu	Glu	His	Gly	Ser	Tyr	Ser	Asn	Ala	300	305	310	315
Pro	Gln	His	Ile	Trp	Ser	Glu	Asn	Thr	Ile	Trp	Pro	Gln	Gly	Val	320	325	330	335
Leu	Val	Arg	His	Ser	Arg	Cys	Leu	Tyr	Arg	Ala	Met	Gly	Pro	Tyr	340	345	350	355
Asn	Val	Ala	Val	Pro	Ser	Asp	Val	Ser	His	Ala	Arg	Phe	Tyr	Phe	350	355	360	
Leu	Phe	His	Arg	Pro	Leu	Arg	Leu	Leu	Asn	Leu	Leu	Ile	Leu	Ile				
Glu	Gly	Ser	Val	Val	Phe	Tyr	Gln	Leu	Tyr	Ser	Leu	Leu	Arg	Ser				
Glu	Lys	Trp	Asn	His	Thr	Leu	Ser	Met	Ala	Leu	Ile	Leu	Phe	Cys				
Asn	Tyr	Tyr	Val	Leu	Phe	Lys	Leu	Leu	Arg	Asp	Arg	Ile	Val	Leu				
Gly	Arg	Ala	Tyr	Ser	Tyr	Pro	Leu	Asn	Ser	Tyr	Glu	Leu	Lys	Thr				

Asn

<210> 19

<211> 97

<212> PRT

<213> Homo sapiens

<220>

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<221> misc_feature

<223> Incyte ID No: 1396995CD1

<400> 19

Met	Glu	Asp	His	Ile	Ile	Ser	Cys	Tyr	Leu	Lys	Trp	Pro	Val	Cys	
1				5					10					15	
Ala	Gln	Leu	Leu	Asn	Cys	Ser	Glu	Pro	Thr	Glu	Arg	Ala	Thr	Val	
				20					25					30	
Glu	Thr	Cys	Met	Val	Ser	Arg	Ile	His	Arg	His	Ala	Leu	Phe	Leu	
				35					40					45	
Cys	Leu	Leu	Pro	Gln	Cys	Tyr	Leu	Pro	Lys	Asp	Leu	Trp	Tyr	Ser	
				50					55					60	
Ser	Leu	Ser	Trp	Glu	Arg	Asn	Ser	Ile	Leu	Phe	Ser	Leu	Leu	Leu	
				65					70					75	
Leu	Tyr	Ser	Leu	Phe	Tyr	Ser	Tyr	Ala	Pro	Ile	Val	Ala	Lys	Gly	
				80					85					90	
Lys	Arg	Gly	Lys	Met	Ile	Val									
				95											

<210> 20

<211> 232

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1597730CD1

<400> 20

Met	Gly	Pro	Leu	Ala	Leu	Pro	Ala	Trp	Leu	Gln	Pro	Arg	Tyr	Arg	
1				5					10					15	
Lys	Asn	Ala	Tyr	Leu	Phe	Ile	Tyr	Tyr	Leu	Ile	Gln	Phe	Cys	Gly	
				20					25					30	
His	Ser	Trp	Ile	Phe	Thr	Asn	Met	Thr	Val	Arg	Phe	Phe	Ser	Phe	
				35					40					45	
Gly	Lys	Asp	Ser	Met	Val	Asp	Thr	Phe	Tyr	Ala	Ile	Gly	Leu	Val	
				50					55					60	
Met	Arg	Leu	Cys	Gln	Ser	Val	Ser	Leu	Leu	Glu	Leu	Leu	His	Ile	
				65					70					75	
Tyr	Val	Gly	Ile	Glu	Ser	Asn	His	Leu	Leu	Pro	Arg	Phe	Leu	Gln	
				80					85					90	
Leu	Thr	Glu	Arg	Ile	Ile	Ile	Leu	Phe	Val	Val	Ile	Thr	Ser	Gln	
				95					100					105	
Glu	Glu	Val	Gln	Glu	Lys	Tyr	Val	Val	Cys	Val	Leu	Phe	Val	Phe	
				110					115					120	
Trp	Asn	Leu	Leu	Asp	Met	Val	Arg	Tyr	Thr	Tyr	Ser	Met	Leu	Ser	
				125					130					135	
Val	Ile	Gly	Ile	Ser	Tyr	Ala	Val	Leu	Thr	Trp	Leu	Ser	Gln	Thr	
				140					145					150	
Leu	Trp	Met	Pro	Ile	Tyr	Pro	Leu	Cys	Val	Leu	Ala	Glu	Ala	Phe	
				155					160					165	
Ala	Ile	Tyr	Gln	Ser	Leu	Pro	Tyr	Phe	Glu	Ser	Phe	Gly	Thr	Tyr	
				170					175					180	
Ser	Thr	Lys	Leu	Pro	Phe	Asp	Leu	Ser	Ile	Tyr	Phe	Pro	Tyr	Val	
				185					190					195	
Leu	Lys	Ile	Tyr	Leu	Met	Met	Leu	Phe	Ile	Gly	Met	Tyr	Phe	Thr	
				200					205					210	
Tyr	Ser	His	Leu	Tyr	Ser	Glu	Arg	Arg	Asp	Ile	Leu	Gly	Ile	Phe	
				215					220					225	
Pro	Ile	Lys	Lys	Lys	Lys	Met									
				230											

<210> 21

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<211> 271

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1629304CD1

<400> 21

Met	Thr	Ala	Trp	Ile	Leu	Leu	Pro	Val	Ser	Leu	Ser	Ala	Phe	Ser
1				5					10					15
Ile	Thr	Gly	Ile	Trp	Thr	Val	Tyr	Ala	Met	Ala	Val	Met	Asn	His
			20						25					30
His	Val	Cys	Pro	Val	Glu	Asn	Trp	Ser	Tyr	Asn	Glu	Ser	Cys	Pro
			35						40					45
Pro	Asp	Pro	Ala	Glu	Gln	Gly	Gly	Pro	Lys	Thr	Cys	Cys	Thr	Leu
			50						55					60
Asp	Asp	Val	Pro	Leu	Ile	Ser	Lys	Cys	Gly	Ser	Tyr	Pro	Pro	Glu
			65						70					75
Ser	Cys	Leu	Phe	Ser	Leu	Ile	Gly	Asn	Met	Gly	Ala	Phe	Met	Val
			80						85					90
Ala	Leu	Ile	Cys	Leu	Leu	Arg	Tyr	Gly	Gln	Leu	Leu	Glu	Gln	Ser
			95						100					105
Arg	His	Ser	Trp	Val	Asn	Thr	Thr	Ala	Leu	Ile	Thr	Gly	Cys	Thr
			110						115					120
Asn	Ala	Ala	Gly	Leu	Val	Val	Gly	Asn	Phe	Gln	Val	Asp	His	
			125						130					135
Ala	Arg	Ser	Leu	His	Tyr	Val	Gly	Ala	Gly	Val	Ala	Phe	Pro	Ala
			140						145					150
Gly	Leu	Leu	Phe	Val	Cys	Leu	His	Cys	Ala	Leu	Ser	Tyr	Gln	Gly
			155						160					165
Ala	Thr	Ala	Pro	Leu	Asp	Leu	Ala	Val	Ala	Tyr	Leu	Arg	Ser	Val
			170						175					180
Leu	Ala	Val	Ile	Ala	Phe	Ile	Thr	Leu	Val	Leu	Ser	Gly	Val	Phe
			185						190					195
Phe	Val	His	Glu	Ser	Ser	Gln	Leu	Gln	His	Gly	Ala	Ala	Leu	Cys
			200						205					210
Glu	Trp	Val	Cys	Val	Ile	Asp	Ile	Leu	Ile	Phe	Tyr	Gly	Thr	Phe
			215						220					225
Ser	Tyr	Glu	Phe	Gly	Ala	Val	Ser	Ser	Asp	Thr	Leu	Val	Ala	Ala
			230						235					240
Leu	Gln	Pro	Thr	Pro	Gly	Arg	Ala	Cys	Lys	Ser	Ser	Gly	Ser	Ser
			245						250					255
Ser	Thr	Ser	Thr	His	Leu	Asn	Cys	Ala	Pro	Glu	Ser	Ile	Ala	Met
			260						265					270

Ile

<210> 22

<211> 267

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1989585CD1

<400> 22

Met	Ala	Pro	Ala	Ala	Asp	Arg	Glu	Gly	Tyr	Trp	Gly	Pro	Thr	Thr
1				5					10					15
Ser	Thr	Leu	Asp	Trp	Cys	Glu	Glu	Asn	Tyr	Ser	Val	Thr	Trp	Tyr
			20						25					30

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Ile	Ala	Glu	Phe	Trp	Asn	Thr	Val	Ser	Asn	Leu	Ile	Met	Ile	Ile	
				35					40					45	
Pro	Pro	Met	Phe	Gly	Ala	Ile	Gln	Ser	Val	Arg	Asp	Gly	Leu	Glu	
				50					55					60	
Lys	Arg	Tyr	Ile	Ala	Ser	Tyr	Leu	Ala	Leu	Thr	Val	Val	Gly	Met	
				65					70					75	
Gly	Ser	Trp	Cys	Phe	His	Met	Thr	Leu	Lys	Tyr	Glu	Met	Gln	Leu	
				80					85					90	
Leu	Asp	Glu	Leu	Pro	Met	Ile	Tyr	Ser	Cys	Cys	Ile	Phe	Val	Tyr	
				95					100					105	
Cys	Met	Phe	Glu	Cys	Phe	Lys	Ile	Lys	Asn	Ser	Val	Asn	Tyr	His	
				110					115					120	
Leu	Leu	Phe	Thr	Leu	Val	Leu	Phe	Ser	Leu	Ile	Val	Thr	Thr	Val	
				125					130					135	
Tyr	Leu	Lys	Val	Lys	Glu	Pro	Ile	Phe	His	Gln	Val	Met	Tyr	Gly	
				140					145					150	
Met	Leu	Val	Phe	Thr	Leu	Val	Leu	Arg	Ser	Ile	Tyr	Ile	Val	Thr	
				155					160					165	
Trp	Val	Tyr	Pro	Trp	Leu	Arg	Gly	Leu	Gly	Tyr	Thr	Ser	Leu	Gly	
				170					175					180	
Ile	Phe	Leu	Leu	Gly	Phe	Leu	Phe	Trp	Asn	Ile	Asp	Asn	Ile	Phe	
				185					190					195	
Cys	Glu	Ser	Leu	Arg	Asn	Phe	Arg	Lys	Lys	Val	Pro	Pro	Ile	Ile	
				200					205					210	
Gly	Ile	Thr	Thr	Gln	Phe	His	Ala	Trp	Trp	His	Ile	Leu	Thr	Gly	
				215					220					225	
Leu	Gly	Ser	Tyr	Leu	His	Ile	Leu	Phe	Ser	Leu	Tyr	Thr	Arg	Thr	
				230					235					240	
Leu	Tyr	Leu	Arg	Tyr	Arg	Pro	Lys	Val	Lys	Phe	Leu	Phe	Gly	Ile	
				245					250					255	
Trp	Pro	Val	Ile	Leu	Phe	Glu	Pro	Leu	Arg	Lys	His				
				260					265						

<210> 23

<211> 406

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2134729CD1

<400> 23

Met	Asp	Gln	Ser	Gly	Met	Glu	Ile	Pro	Val	Thr	Leu	Ile	Ile	Lys	
1				5					10					15	
Ala	Pro	Asn	Gln	Lys	Tyr	Ser	Asp	Gln	Thr	Ile	Ser	Cys	Phe	Leu	
				20					25					30	
Asn	Trp	Thr	Val	Gly	Lys	Leu	Lys	Thr	His	Leu	Ser	Asn	Val	Tyr	
				35					40					45	
Pro	Ser	Lys	Pro	Leu	Thr	Lys	Asp	Gln	Arg	Leu	Val	Tyr	Ser	Gly	
				50					55					60	
Arg	Leu	Leu	Pro	Asp	His	Leu	Gln	Leu	Lys	Asp	Ile	Leu	Arg	Lys	
				65					70					75	
Gln	Asp	Glu	Tyr	His	Met	Val	His	Leu	Val	Cys	Thr	Ser	Arg	Thr	
				80					85					90	
Pro	Pro	Ser	Ser	Pro	Lys	Ser	Ser	Thr	Asn	Arg	Glu	Ser	His	Glu	
				95					100					105	
Ala	Leu	Ala	Ser	Ser	Ser	Asn	Ser	Ser	Ser	Asp	His	Ser	Gly	Ser	
				110					115					120	
Thr	Thr	Pro	Ser	Ser	Gly	Gln	Glu	Thr	Leu	Ser	Leu	Ala	Val	Gly	
				125					130					135	
Ser	Ser	Ser	Glu	Gly	Leu	Arg	Gln	Arg	Thr	Leu	Pro	Gln	Ala	Gln	

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Thr	Asp	Gln	Ala	Gln	Ser	His	Gln	Phe	Pro	Tyr	Val	Met	Gln	Gly	140	145	150
Asn	Val	Asp	Asn	Gln	Phe	Pro	Gly	Gln	Ala	Ala	Pro	Pro	Gly	Phe	155	160	165
Pro	Val	Tyr	Pro	Ala	Phe	Ser	Pro	Leu	Gln	Met	Leu	Trp	Trp	Gln	170	175	180
Gln	Met	Tyr	Ala	His	Gln	Tyr	Tyr	Met	Gln	Tyr	Gln	Ala	Ala	Val	185	190	195
Ser	Ala	Gln	Ala	Thr	Ser	Asn	Val	Asn	Pro	Thr	Gln	Pro	Thr	Thr	200	205	210
Ser	Gln	Pro	Leu	Asn	Leu	Ala	His	Val	Pro	Gly	Glu	Glu	Pro	Pro	215	220	225
Pro	Ala	Pro	Asn	Leu	Val	Ala	Gln	Glu	Asn	Arg	Pro	Met	Asn	Glu	230	235	240
Asn	Val	Gln	Met	Asn	Ala	Gln	Gly	Gly	Pro	Val	Leu	Asn	Glu	Glu	245	250	255
Asp	Phe	Asn	Arg	Asp	Trp	Leu	Asp	Trp	Met	Tyr	Thr	Phe	Ser	Arg	260	265	270
Ala	Ala	Ile	Leu	Leu	Ser	Ile	Val	Tyr	Phe	Tyr	Ser	Ser	Phe	Ser	275	280	285
Arg	Phe	Ile	Met	Val	Met	Gly	Ala	Met	Leu	Leu	Val	Tyr	Leu	His	290	295	300
Gln	Ala	Gly	Trp	Phe	Pro	Phe	Arg	Gln	Glu	Gly	Gly	His	Gln	Gln	305	310	315
Ala	Pro	Asn	Asn	Asn	Ala	Glu	Val	Asn	Asn	Asp	Gly	Gln	Asn	Ala	320	325	330
Asn	Asn	Leu	Glu	Leu	Glu	Glu	Met	Glu	Arg	Leu	Met	Asp	Asp	Gly	335	340	345
Leu	Glu	Asp	Glu	Ser	Gly	Glu	Asp	Gly	Gly	Glu	Asp	Ala	Ser	Ala	350	355	360
Ile	Gln	Arg	Pro	Gly	Leu	Met	Ala	Ser	Ala	Trp	Ser	Phe	Ile	Thr	365	370	375
Thr	Phe	Phe	Thr	Ser	Leu	Ile	Pro	Glu	Gly	Pro	Pro	Gln	Val	Ala	380	385	390
Asn															395	400	405

<210> 24

<211> 318

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2299506CD1

<400> 24

Met	Leu	Ser	Glu	Ser	Ser	Ser	Phe	Leu	Lys	Gly	Val	Met	Leu	Gly	1	5	10	15
Ser	Ile	Phe	Cys	Ala	Leu	Ile	Thr	Met	Leu	Gly	His	Ile	Arg	Ile	20	25	30	35
Gly	His	Gly	Asn	Arg	Met	His	His	His	Glu	His	His	His	Leu	Gln	40	45	50	55
Ala	Pro	Asn	Lys	Glu	Asp	Ile	Leu	Lys	Ile	Ser	Glu	Asp	Glu	Arg	60	65	70	75
Met	Glu	Leu	Ser	Lys	Ser	Phe	Arg	Val	Tyr	Cys	Ile	Ile	Leu	Val	80	85	90	95
Lys	Pro	Lys	Asp	Val	Ser	Leu	Trp	Ala	Ala	Val	Lys	Glu	Thr	Trp	100	105	110	115
Thr	Lys	His	Cys	Asp	Lys	Ala	Glu	Phe	Phe	Ser	Ser	Glu	Asn	Val	120	125	130	135

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Lys	Val	Phe	Glu	Ser	Ile	Asn	Met	Asp	Thr	Asn	Asp	Met	Trp	Leu	
				110					115					120	
Met	Met	Arg	Lys	Ala	Tyr	Lys	Tyr	Ala	Phe	Asp	Lys	Tyr	Arg	Asp	
				125					130					135	
Gln	Tyr	Asn	Trp	Phe	Phe	Leu	Ala	Arg	Pro	Thr	Thr	Phe	Ala	Ile	
				140					145					150	
Ile	Glu	Asn	Leu	Lys	Tyr	Phe	Leu	Leu	Lys	Lys	Asp	Pro	Ser	Gln	
				155					160					165	
Pro	Phe	Tyr	Leu	Gly	His	Thr	Ile	Lys	Ser	Gly	Asp	Leu	Glu	Tyr	
				170					175					180	
Val	Gly	Met	Glu	Gly	Gly	Ile	Val	Leu	Ser	Val	Glu	Ser	Met	Lys	
				185					190					195	
Arg	Leu	Asn	Ser	Leu	Leu	Asn	Ile	Pro	Glu	Lys	Cys	Pro	Glu	Gln	
				200					205					210	
Gly	Gly	Met	Ile	Trp	Lys	Ile	Ser	Glu	Asp	Lys	Gln	Leu	Ala	Val	
				215					220					225	
Cys	Leu	Lys	Tyr	Ala	Gly	Val	Phe	Ala	Glu	Asn	Ala	Glu	Asp	Ala	
				230					235					240	
Asp	Gly	Lys	Asp	Val	Phe	Asn	Thr	Lys	Ser	Val	Gly	Leu	Ser	Ile	
				245					250					255	
Lys	Glu	Ala	Met	Thr	Tyr	His	Pro	Asn	Gln	Val	Val	Glu	Gly	Cys	
				260					265					270	
Cys	Ser	Asp	Met	Ala	Val	Thr	Phe	Asn	Gly	Leu	Thr	Pro	Asn	Gln	
				275					280					285	
Met	His	Val	Met	Met	Tyr	Gly	Val	Tyr	Arg	Leu	Arg	Ala	Phe	Gly	
				290					295					300	
His	Ile	Phe	Asn	Asp	Ala	Leu	Val	Phe	Leu	Pro	Pro	Asn	Gly	Ser	
				305					310					315	

Asp Asn Asp

<210> 25

<211> 326

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2506558CD1

<400> 25

Met	Glu	Phe	Leu	Trp	Asp	Phe	Leu	Asn	His	Gln	Glu	Gly	Pro	Arg	
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Ile	Arg	Asp	His	Leu	Ser	His	Gly	Glu	Ile	Asn	Leu	His	Glu	Phe	
				20					25					30	
Ser	Lys	Glu	Thr	Thr	Asn	Gln	Leu	Leu	Ala	Phe	Ser	Leu	Val	Leu	
				35					40					45	
Leu	Leu	Arg	Phe	Val	Asp	Asp	Cys	Leu	Leu	Ser	Val	Phe	Lys	Glu	
				50					55					60	
Lys	Ser	Ala	Val	Glu	Leu	Leu	Ile	Ser	Leu	Ala	Glu	Gly	Tyr	Ser	
				65					70					75	
Ser	Arg	Cys	His	Pro	Val	Phe	Gln	Leu	Lys	Lys	Gln	Val	Leu	Ser	
				80					85					90	
Cys	Glu	Glu	Ser	Ile	Arg	Val	Trp	Ala	Leu	Leu	Pro	Phe	Pro	Glu	
				95					100					105	
Glu	Leu	Thr	Arg	Gln	Ala	Val	Arg	Leu	Glu	Asp	Asn	Ser	Glu	Thr	
				110					115					120	
Asn	Ala	Cys	His	Ser	Leu	Ile	Thr	Lys	Met	Thr	Asp	Glu	Leu	Tyr	
				125					130					135	
His	His	Met	Pro	Glu	Asn	Arg	Cys	Val	Leu	Lys	Asp	Leu	Asp	Arg	
				140					145					150	
Leu	Pro	Thr	Glu	Thr	Trp	Pro	Gln	Leu	Leu	Arg	Glu	Leu	Cys	Ser	

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	155		160		165
Thr Pro Val Pro	Thr Leu Phe Cys Pro	Arg Ile Val Leu Glu Val			
	170		175		180
Leu Val Val Leu	Arg Ser Ile Gly Glu	Gln Cys Arg Arg Val Ser			
	185		190		195
Ser Gln Val Thr	Val Ala Ser Glu Leu	Arg His Arg Gln Trp Val			
	200		205		210
Glu Arg Thr Leu	Arg Ser Arg Gln Arg	Gln Asn Tyr Leu Arg Met			
	215		220		225
Trp Ser Ser Ile	Arg Leu Leu Ser Pro	Val Leu Ser Leu Ile Leu			
	230		235		240
Leu Leu Ile Ala	Leu Glu Leu Val Asn	Ile His Ala Val Cys Gly			
	245		250		255
Lys Asn Ala His	Glu Tyr Gln Gln Tyr	Leu Lys Phe Val Lys Ser			
	260		265		270
Ile Leu Gln Tyr	Thr Glu Asn Leu Val	Ala Tyr Thr Ser Tyr Glu			
	275		280		285
Lys Asn Lys Trp	Asn Glu Thr Ile Asn	Leu Thr His Thr Ala Leu			
	290		295		300
Leu Lys Met Trp	Thr Phe Ser Glu Lys	Lys Gln Met Leu Ile His			
	305		310		315
Leu Ala Lys Lys	Ser Thr Ser Lys Val	Leu Leu			
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<210> 26

<211> 247

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2546025CD1

<400> 26

Met Leu Arg Phe Ile	Gln Lys Phe Ser	Gln Ala Ser Ser Lys Ile			
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Leu Lys Tyr Ser Phe	Pro Val Gly Leu	Arg Thr Ser Arg Thr Asp			
	20	25			30
Ile Leu Ser Leu Lys	Met Ser Leu Gln	Gln Asn Phe Ser Pro Cys			
	35	40			45
Pro Arg Pro Trp Leu	Ser Ser Ser Phe	Pro Ala Tyr Met Ser Lys			
	50	55			60
Thr Gln Cys Tyr His	Thr Ser Pro Cys	Ser Phe Lys Lys Gln Gln			
	65	70			75
Lys Gln Ala Leu Leu	Ala Arg Pro Ser	Ser Thr Ile Thr Tyr Leu			
	80	85			90
Thr Asp Ser Pro Lys	Pro Ala Leu Cys	Val Thr Leu Ala Gly Leu			
	95	100			105
Ile Pro Phe Val Ala	Pro Pro Leu Val	Met Leu Met Thr Lys Thr			
	110	115			120
Tyr Ile Pro Ile Leu	Ala Phe Thr Gln	Met Ala Tyr Gly Ala Ser			
	125	130			135
Phe Leu Ser Phe Leu	Gly Gly Ile Arg	Trp Gly Phe Ala Leu Pro			
	140	145			150
Glu Gly Ser Pro Ala	Lys Pro Asp Tyr	Leu Asn Leu Ala Ser Ser			
	155	160			165
Ala Ala Pro Leu Phe	Phe Ser Trp Phe	Ala Phe Leu Ile Ser Glu			
	170	175			180
Arg Leu Ser Glu Ala	Ile Val Thr Val	Ile Met Gly Met Gly Val			
	185	190			195
Ala Phe His Leu Glu	Leu Phe Leu Leu	Pro His Tyr Pro Asn Trp			
	200	205			210

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Phe	Lys	Ala	Leu	Arg	Ile	Val	Val	Thr	Leu	Leu	Ala	Thr	Phe	Ser
				215					220					225
Phe	Ile	Ile	Thr	Leu	Val	Val	Lys	Ser	Ser	Phe	Pro	Glu	Lys	Gly
				230					235					240
His	Lys	Arg	Pro	Gly	Gln	Val								
				245										

<210> 27

<211> 278

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3145660CD1

<400> 27

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Glu	Asn	Lys	Phe	Tyr	Thr	His	Ser	Ser	Phe	Phe	Ile	Pro	Ile	Ile
				20					25					30
Tyr	Ile	Leu	Val	Leu	Gly	Val	Phe	Tyr	Asn	Glu	Asn	Thr	Lys	Glu
				35					40					45
Thr	Lys	Val	Leu	Asn	Arg	Glu	Gln	Thr	Asp	Glu	Trp	Lys	Gly	Trp
				50					55					60
Met	Gln	Leu	Val	Ile	Leu	Ile	Tyr	His	Ile	Ser	Gly	Ala	Ser	Thr
				65					70					75
Phe	Leu	Pro	Val	Tyr	Met	His	Ile	Arg	Val	Leu	Val	Ala	Ala	Tyr
				80					85					90
Leu	Phe	Gln	Thr	Gly	Tyr	Gly	His	Phe	Ser	Tyr	Phe	Trp	Ile	Lys
				95					100					105
Gly	Asp	Phe	Gly	Ile	Tyr	Arg	Val	Cys	Gln	Val	Leu	Phe	Arg	Leu
				110					115					120
Asn	Phe	Leu	Val	Val	Val	Leu	Cys	Ile	Val	Met	Asp	Arg	Pro	Tyr
				125					130					135
Gln	Phe	Tyr	Tyr	Phe	Val	Pro	Leu	Val	Thr	Val	Trp	Phe	Met	Val
				140					145					150
Ile	Tyr	Val	Thr	Leu	Ala	Leu	Trp	Pro	Gln	Ile	Ile	Gln	Lys	Lys
				155					160					165
Ala	Asn	Gly	Asn	Cys	Phe	Trp	His	Phe	Gly	Leu	Leu	Leu	Lys	Leu
				170					175					180
Gly	Phe	Leu	Leu	Phe	Ile	Cys	Phe		Leu	Ala	Tyr	Ser	Gln	Gly
				185					190					195
Ala	Phe	Glu	Lys	Ile	Phe	Ser	Leu	Trp	Pro	Leu	Ser	Lys	Cys	Phe
				200					205					210
Glu	Leu	Lys	Gly	Asn	Val	Tyr	Glu	Trp	Trp	Phe	Arg	Trp	Arg	Leu
				215					220					225
Asp	Arg	Tyr	Val	Val	Phe	His	Gly	Met	Leu	Phe	Ala	Phe	Ile	Tyr
				230					235					240
Leu	Ala	Leu	Gln	Lys	Arg	Gln	Ile	Leu	Ser	Glu	Gly	Lys	Gly	Glu
				245					250					255
Pro	Leu	Phe	Ser	Asn	Lys	Ile	Ser	Asn	Phe	Leu	Leu	Val	Ile	Ser
				260					265					270
Val	Val	Ser	Phe	Leu	Gly	Lys	Phe							
				275										

<210> 28

<211> 320

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

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PF-0681 PCT

<223> Incyte ID No: 4901066CD1

<400> 28

Met	Thr	Leu	Trp	Asn	Gly	Val	Leu	Pro	Phe	Tyr	Pro	Gln	Pro	Arg	1	5	10	15
His	Ala	Ala	Gly	Phe	Ser	Val	Pro	Leu	Leu	Ile	Val	Ile	Leu	Val	20	25	30	35
Phe	Leu	Ala	Leu	Ala	Ala	Ser	Phe	Leu	Leu	Ile	Leu	Pro	Gly	Ile	40	45	50	55
Arg	Gly	His	Ser	Arg	Trp	Phe	Trp	Leu	Val	Arg	Val	Leu	Leu	Ser	60	65	70	75
Leu	Phe	Ile	Gly	Ala	Glu	Ile	Val	Ala	Val	His	Phe	Ser	Ala	Glu	80	85	90	95
Trp	Phe	Val	Gly	Thr	Val	Asn	Thr	Asn	Thr	Ser	Tyr	Lys	Ala	Phe	100	105	110	115
Ser	Ala	Ala	Arg	Val	Thr	Ala	Arg	Val	Gly	Leu	Leu	Val	Gly	Leu	120	125	130	135
Glu	Gly	Ile	Asn	Ile	Thr	Leu	Thr	Gly	Thr	Pro	Val	His	Gln	Leu	140	145	150	155
Asn	Glu	Thr	Ile	Asp	Tyr	Asn	Glu	Gln	Phe	Thr	Trp	Arg	Leu	Lys	160	165	170	175
Glu	Asn	Tyr	Ala	Ala	Glu	Tyr	Ala	Asn	Ala	Leu	Glu	Lys	Gly	Leu	180	185	190	195
Pro	Asp	Pro	Val	Leu	Tyr	Leu	Ala	Glu	Lys	Phe	Thr	Pro	Ser	Ser	200	205	210	215
Pro	Cys	Gly	Leu	Tyr	His	Gln	Tyr	His	Leu	Ala	Gly	His	Tyr	Ala	220	225	230	235
Ser	Ala	Thr	Leu	Trp	Val	Ala	Phe	Cys	Phe	Trp	Leu	Leu	Ser	Asn	240	245	250	255
Val	Leu	Leu	Ser	Thr	Pro	Ala	Pro	Leu	Tyr	Gly	Gly	Leu	Ala	Leu	260	265	270	275
Leu	Thr	Thr	Gly	Ala	Phe	Ala	Leu	Phe	Gly	Val	Phe	Ala	Leu	Ala	280	285	290	295
Ser	Ile	Ser	Ser	Val	Pro	Leu	Cys	Pro	Leu	Arg	Leu	Gly	Ser	Ser	300	305	310	315
Ala	Leu	Thr	Thr	Gln	Tyr	Gly	Ala	Ala	Phe	Trp	Val	Thr	Leu	Ala	320			
Thr	Gly	Val	Leu	Cys	Leu	Phe	Leu	Gly	Gly	Ala	Val	Val	Ser	Leu				
Gln	Tyr	Val	Arg	Pro	Ser	Ala	Leu	Arg	Thr	Leu	Leu	Asp	Gln	Ser				
Ala	Lys	Asp	Cys	Ser	Gln	Glu	Arg	Gly	Gly	Ser	Pro	Leu	Ile	Leu				
Gly	Asp	Pro	Leu	His	Lys	Gln	Ala	Ala	Leu	Pro	Asp	Leu	Lys	Cys				
Ile	Thr	Thr	Asn	Leu														

<210> 29

<211> 360

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5031174CD1

<400> 29

Met	Ser	Gln	Gly	Arg	Gly	Lys	Tyr	Asp	Phe	Tyr	Ile	Gly	Leu	Gly	1	5	10	15
Leu	Ala	Met	Ser	Ser	Ser	Ile	Phe	Ile	Gly	Gly	Ser	Phe	Ile	Leu	20	25	30	

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Lys	Lys	Lys	Gly	Leu	Leu	Arg	Leu	Ala	Arg	Lys	Gly	Ser	Met	Arg	35	40	45
Ala	Gly	Gln	Gly	Gly	His	Ala	Tyr	Leu	Lys	Glu	Trp	Leu	Trp	Trp	50	55	60
Ala	Gly	Leu	Leu	Ser	Met	Gly	Ala	Gly	Glu	Val	Ala	Asn	Phe	Ala	65	70	75
Ala	Tyr	Ala	Phe	Ala	Pro	Ala	Thr	Leu	Val	Thr	Pro	Leu	Gly	Ala	80	85	90
Leu	Ser	Val	Leu	Val	Ser	Ala	Ile	Leu	Ser	Ser	Tyr	Phe	Leu	Asn	95	100	105
Glu	Arg	Leu	Asn	Leu	His	Gly	Lys	Ile	Gly	Cys	Leu	Leu	Ser	Ile	110	115	120
Leu	Gly	Ser	Thr	Val	Met	Val	Ile	His	Ala	Pro	Lys	Glu	Glu	Glu	125	130	135
Ile	Glu	Thr	Leu	Asn	Glu	Met	Ser	His	Lys	Leu	Gly	Asp	Pro	Gly	140	145	150
Phe	Val	Val	Phe	Ala	Thr	Leu	Val	Val	Ile	Val	Ala	Leu	Ile	Leu	155	160	165
Ile	Phe	Val	Val	Gly	Pro	Arg	His	Gly	Gln	Thr	Asn	Ile	Leu	Val	170	175	180
Tyr	Ile	Thr	Ile	Cys	Ser	Val	Ile	Gly	Ala	Phe	Ser	Val	Ser	Cys	185	190	195
Val	Lys	Gly	Leu	Gly	Ile	Ala	Ile	Lys	Glu	Leu	Phe	Ala	Gly	Lys	200	205	210
Pro	Val	Leu	Arg	His	Pro	Leu	Ala	Trp	Ile	Leu	Leu	Leu	Ser	Leu	215	220	225
Ile	Val	Cys	Val	Ser	Thr	Gln	Ile	Asn	Tyr	Leu	Asn	Arg	Ala	Leu	230	235	240
Asp	Ile	Phe	Asn	Thr	Ser	Ile	Val	Thr	Pro	Ile	Tyr	Tyr	Val	Phe	245	250	255
Phe	Thr	Thr	Ser	Val	Leu	Thr	Cys	Ser	Ala	Ile	Leu	Phe	Lys	Glu	260	265	270
Trp	Gln	Asp	Met	Pro	Val	Asp	Asp	Val	Ile	Gly	Thr	Leu	Ser	Gly	275	280	285
Phe	Phe	Thr	Ile	Ile	Val	Gly	Ile	Phe	Leu	Leu	His	Ala	Phe	Lys	290	295	300
Asp	Val	Ser	Phe	Ser	Leu	Ala	Ser	Leu	Pro	Val	Ser	Phe	Arg	Lys	305	310	315
Asp	Glu	Lys	Ala	Met	Asn	Gly	Asn	Leu	Ser	Asn	Met	Tyr	Glu	Val	320	325	330
Leu	Asn	Asn	Asn	Glu	Glu	Ser	Leu	Thr	Cys	Gly	Ile	Glu	Gln	His	335	340	345
Thr	Gly	Glu	Asn	Val	Ser	Arg	Arg	Asn	Gly	Asn	Leu	Thr	Ala	Phe	350	355	360

<210> 30

<211> 1716

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1316927CB1

<400> 30

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gaaacagttg ataataaaac gtctgaggat gtaaccatgg cagcagcttc tcctgtcaca 240
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agcaggacag atgtgagtga accagcaact tcaggaggtg cagctgatgg tgtgacctcc 360

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<210> 31

<211> 1133

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> 1094

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte ID No: 1354891CB1

<400> 31

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<210> 32

<211> 3324

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PCT/US00/07817

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1415487CB1

<400> 32

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<213> Homo sapiens

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<213> Homo sapiens

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<223> Incyte ID No: 3487228CB1

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<213> Homo sapiens

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<213> Homo sapiens

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<223> Incyte ID No: 4020882CB1

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<213> Homo sapiens

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<223> Incyte ID No: 4069777CB1

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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 5309830CB1

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PF-0681 PCT

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<211> 2382

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 727332CB1

<400> 46

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<223> Incyte ID No: 778800CB1

<400> 47

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<211> 1344

<212> DNA

<213> Homo sapiens

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<400> 48

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<211> 1505

<212> DNA

<213> Homo sapiens

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PCT/US00/07817

PF-0681 PCT

<400> 50

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<210> 54

<211> 1212

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2506558CB1

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<211> 1465

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2546025CB1

<400> 55

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<210> 56

<211> 1170

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3145660CB1

<400> 56

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<210> 57

<211> 1421

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4901066CB1

<400> 57

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<210> 58

<211> 2310

<212> DNA

<213> Homo sapiens

<220>

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<400> 58

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